

1-1670894-1 ✓ ACTIVE

AMP | Heavy Duty Sealed Connector Series

TE Internal #: 1-1670894-1

Housing for Female Terminals, Wire-to-Wire, 8 Position, .236 in [6 mm] Centerline, Sealable, Black, Signal, Heavy Duty Sealed Connector Series

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Connectors > Automotive Connectors > Automotive Housings > Heavy Duty Sealed Connector Series Housings



Connector & Housing Type: **Housing for Female Terminals**

Mating Tab Width: **2.8 mm [.11 in]**

Connector System: **Wire-to-Wire**

Number of Positions: **8**

Centerline (Pitch): **6 mm [.236 in]**

[All Heavy Duty Sealed Connector Series Housings \(204\)](#)

Features

Product Type Features

| | |
|--------------------------|------------------------------|
| Connector Shape | Rectangular |
| Connector & Housing Type | Housing for Female Terminals |
| Connector System | Wire-to-Wire |
| Sealable | Yes |
| Hybrid Connector | No |
| Primary Locking Feature | On the Terminal |

Configuration Features

| | |
|---------------------|---|
| Number of Positions | 8 |
| Number of Rows | 2 |

Electrical Characteristics

| | |
|------------------------------|------------------------|
| Operating Voltage | 60 VDC |
| Nominal Voltage Architecture | 12 V, 24 V, 42 V, 60 V |



Body Features

| | |
|-------------------------|-------|
| Primary Product Color | Black |
| Connector & Keying Code | A |

Contact Features

| | |
|------------------------------|----------------|
| Contact Size | 2.8mm |
| Contact Type | Receptacle |
| Mating Tab Width | 2.8 mm[.11 in] |
| Contact Current Rating (Max) | 40 A |

Mechanical Attachment

| | |
|-----------------------------|----------------------------|
| Terminal Position Assurance | Yes |
| Strain Relief | Without |
| Mating Alignment Type | Keyed |
| Mating Alignment | With |
| Connector Mounting Type | Cable Mount (Free-Hanging) |

Housing Features

| | |
|--------------------|---------------|
| Housing Material | PBT GF |
| Centerline (Pitch) | 6 mm[.236 in] |

Dimensions

| | |
|------------------|-------------------|
| Connector Height | 31.25 mm[1.23 in] |
| Product Width | 25.7 mm[1.012 in] |
| Product Length | 54.1 mm[2.13 in] |

Usage Conditions

| | |
|-----------------------------|--|
| Operating Temperature (Max) | 70 °C, 80 °C, 85 °C, 90 °C, 100 °C, 105 °C, 110 °C, 120 °C, 125 °C, 130 °C, 140 °C[158 °F][167 °F][176 °F][185 °F][194 °F][212 °F][221 °F][230 °F][248 °F][257 °F][266 °F][284 °F] |
| Operating Temperature Range | -40 – 140 °C[-40 – 284 °F] |

Operation/Application

| | |
|---------------------|--------|
| Circuit Application | Signal |
|---------------------|--------|

Industry Standards

| | |
|------------------------|----------|
| Degree of Protection | IP67 |
| UL Flammability Rating | UL 94V-0 |

Packaging Features



| | |
|--------------------|-----|
| Packaging Quantity | 300 |
|--------------------|-----|

| | |
|------------------|-----|
| Packaging Method | Box |
|------------------|-----|

Other

| | |
|-------------|-----|
| Serviceable | Yes |
|-------------|-----|

| | |
|--------------------------------------|----|
| Connector Position Assurance Capable | No |
|--------------------------------------|----|

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

| | |
|------------------------------|-----------|
| EU RoHS Directive 2011/65/EU | Compliant |
|------------------------------|-----------|

| | |
|-----------------------------|-----------|
| EU ELV Directive 2000/53/EC | Compliant |
|-----------------------------|-----------|

| | |
|---|---|
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
|---|---|

| | |
|--|---|
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC |
|--|---|

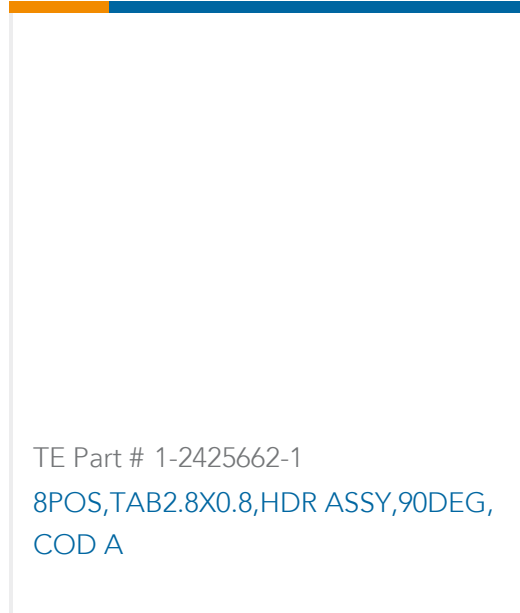
| | |
|-----------------|--|
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
|-----------------|--|

| | |
|---------------------------|--|
| Solder Process Capability | Not applicable for solder process capability |
|---------------------------|--|

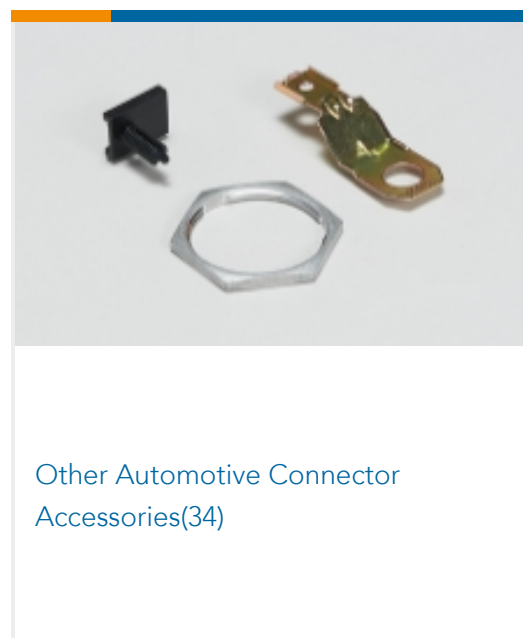
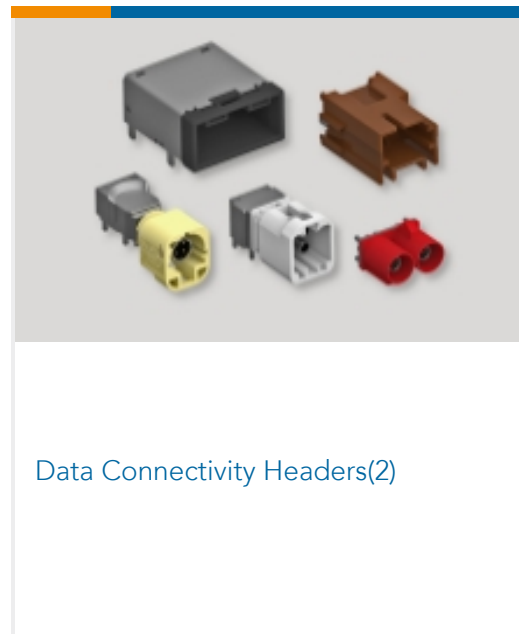
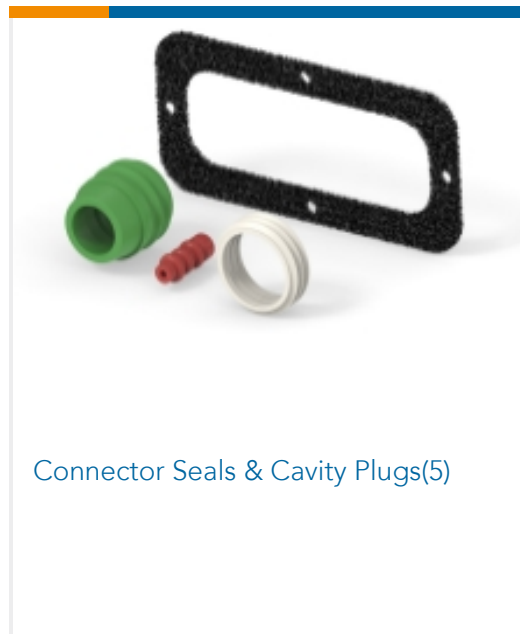
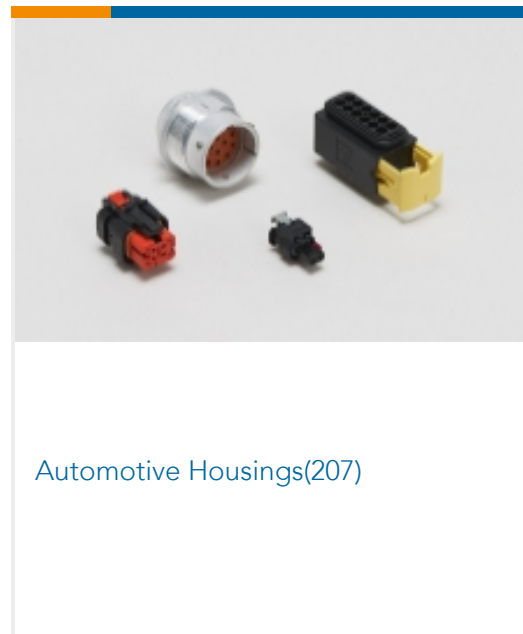
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

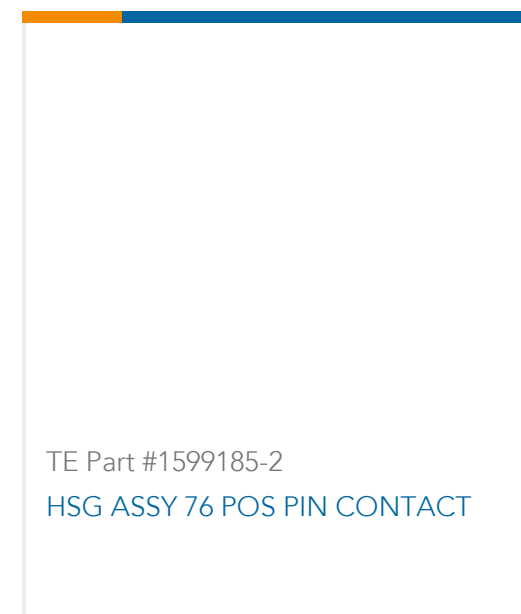


Also in the Series | Heavy Duty Sealed Connector Series



Customers Also Bought





Documents

Product Drawings

[8POS,AMP MCP2.8,REC HSG,ASSY](#)

English

CAD Files

Customer View Model

[ENG_CVM_CVM_1-1670894-1_J.2d_dxf.zip](#)

English

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1-1670894-1_J.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1670894-1_J.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[HDSCS Catalog](#)

English

[ICT Terminals and Connectors Catalogue](#)

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[CONNECTOR SELECTOR](#)

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Product Specifications

[Application Specification](#)

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